

## ECS Configuration Change Request

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1. Originator Cherry Kenney	2. Log Date: 08/13/03	3. CCR #: 03-0569	4. Rev: —	5. Tel: 301-925-0342	6. Rm #: 3000R	7. Dept. SE
8. CCR Title: Patch_6A.07_GSFC_ROLLUP.02A						
9. Originator Signature/Date Cherry Kenney /s/ 08/13/03			10. Class II	11. Type: CCR	12. Need Date:	
13. Office Manager Signature/Date Carolyn Whitaker /s/ 08/13/03			14. Category of Change: Other		15. Priority: (If "Emergency" fill in Block 27). Emergency	
16. Documentation/Drawings Impacted (Review and submit checklist):			17. Schedule Impact:		18. CI(s) Affected: MSS, CSS, DMS, OMS	
19. Release Affected by this Change: 6A		20. Date due to Customer:		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input checked="" type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other: See attachment for NCR list						
23. Problem: (use additional Sheets if necessary) This Patch delivers all the Engineering Software GSFC has installed, plus catch-up for all of MSS, CSS, DMS and OMS.						
24. Proposed Solution: (use additional sheets if necessary) Deliver Patch_6A.07_GSFC_ROLLUP.02A to GSFC DAAC only.						
25. Alternate Solution: (use additional sheets if necessary) Wait until next 6A.08 delivery.						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) GSFC would have to install previously delivered patches for MSS, CSS, DMS and PMS individually.						
27. Justification for Emergency (If Block 15 is "Emergency"): GSFC requested a Patch delivery that would enable them to install all Patches/TE that had been deployed.						
28. Site(s) Affected: <input checked="" type="checkbox"/> EDF <input checked="" type="checkbox"/> PVC <input checked="" type="checkbox"/> VATC <input type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input type="checkbox"/> LaRC <input type="checkbox"/> NSIDC <input type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:			30. Work Assigned To:		31. CCR Closed Date:	
32. EDF/SCDV CCB Chair (Sign/Date): Evelyn N. Nakamura /s/ 08/13/03		Disposition: <span style="border: 1px solid red; color: red;">Approved</span> App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS				
33. M&O CCB Chair (Sign/Date): Pamela Johnson /s/ 08/13/03		Disposition: <span style="border: 1px solid red; color: red;">Approved</span> App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS				
34. ECS CCB Chair (Sign/Date):		Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS				

# ADDITIONAL SHEET

**CCR #:** 03-0569 **Rev:** — **Originator:** Cherry Kenney

**Telephone:** 301-925-0342 **Office:** 3000R

**Title of Change:** Patch\_6A.07\_GSFC\_ROLLUP.02A

Actions

ClearCase

Please make tar files from the 6A07EBF1 baseline

Please make one SOL8 tar file with the following packages:

EcCsINTFCSRV\_GSFC.pkg  
EcCsMtMGTWY.pkg  
EcCsSubServer.pkg  
EcCsLogCtrl.pkg  
EcCsCommon.pkg  
EcCsNmCommon.pkg  
EcDbDDM.pkg  
EcMsDbRep.pkg  
EcOmDatabase.pkg  
EcOmGui.pkg  
EcOmServer.pkg  
EcMsDbSupport.pkg  
EcMsAcDAACAPPSSVR.pkg  
EcDmDatabase.pkg  
EcDmDBValids.pkg  
EcDmINTFCSVR.pkg  
EcDbDDMdm2acg.pkg

Please make the following SOL8 tar file from the 6A07 Baseline:

/ecs/formal/IOS/AdvService/src/Database/EcIoAdDb\_NCR36952.ksh

Please make the following IRIX tar file from the 6A07EBF1 Baseline:

ecs/formal/PDS/pds/labels/aster.btw I0single.btw I0multi.btw reprint.btw generic.btw

Please make one IRIX65 tar file with the following packages:

EcCsLogCtrl.pkg  
EcCsCommon.pkg  
EcCsRegistryDB.pkg  
EcCsNmCommon.pkg  
EcCsRegistry.pkg  
EcDbDDM.pkg  
EcPdSaPDSSA.pkg  
EcPdIsPDSIS.pkg

Please name tarfile Patch\_6A.07\_GSFC\_ROLLUP.02A

PATCH/TE Dependencies:

Patch\_6A.07\_GSFC\_ROLLUP.02 supersedes the following Patches or TEs:

Patch\_6A.07\_CSS.03  
Patch\_6A.07\_PDS.04A  
Patch\_6A.07\_MSS\_REP.01

Patch\_6A.07\_MSS\_DBA.01  
Patch\_6A.07\_MSS\_ACCT.04B  
TE\_6A.08\_OMS.08  
Patch\_6A.07\_OMS.09

Patch\_6A.07\_GSFC\_ROLLUP.02 must be installed on top of :

TE\_6A.07\_DMS.09

## DAAC INSTALL INSTRUCTIONS

### A. PREINSTALLTION:

1. Copy the SOL8 tar files into the <staging\_area>/SOL8/ directory
2. Copy the IRIX65 tar files into the <staging\_area>/IRIX65 directory
3. Untar the SOL8 (sun5.8) tar file using the \*Setup.ksh file in the <staging\_area>/SOL8 directory
4. Untar the IRIX65 (irix65) tar file using the \*Setup.ksh file in the <staging\_area>/IRIX65 directory
5. As Root un tar the most recent version of EcsAssist to update .packages file. The following new packages were added:
  - a. EcDbDDMdm2acg.pkg
  - b. EcCsMtMGWY.pkg
  - c. EcCsSubServer.pkg
6. cd <staging\_area>/SOL8/dbms  
  
chmod -R 775 \*
7. Using tar -xvf untar the SOL8 tar files into a SOL8 staging directory.
8. Stop the Subscription Server, Registry and Name Server
9. Bring down MSS servers
10. Shut down all OMS servers & the OMS GUI.
11. Stop the IOS Server(EcloAdServer) and DMS Servers (V0 Gateway and DDICT)

### B. INSTALLATION (Except for PDS)

Using E.A.S.I Install the packages listed above:

### C. CONFIGURATION

#### 1. For CSS

There are no configuration changes for the CSS

#### 2. For MSS

There are no configuration changes for the MSS

#### 3. For OMS

There are no configuration changes for the OMS

#### 4. For DMS

- a. Select the MODE. Double click "DMS" Double click "EcDm". Click the "Configuration" button.
- b. Click the tab for the EcDmV0ToEcsGateway. You will notice there is a new parameter called "ECSTGuestPriority" -- This is to set the priority of ECSTGuest Orders. The default value will be set to LOW. This is the DMS only fix for this NCR. There will be a corresponding MSS fix that is not implemented with this delivery so changing this value to any thing other than LOW will have no effect. (See NCR38007). Click the "Ok" button save changes.
- c. Click "Cancel" button since we donot want to create a configuration file.
- d. Click on the "Tools" menu option and select "Apply Registry Patch"

to apply the new parameter "ECSTGuestPriority" contained in the /usr/ecs/<MODE>/CUSTOM/.installed/DMS/.rgypatch file to the Registry Tree.

For LARC only the Media Options have been updated to eliminate the D3 options for acquires. (NCR 37517)

- a. Start Registry GUI and select the tree currently mapped to the mode in use.
- b. Double click the host that contains the EcDmV0ToEcsGateway and drill down to the server level. You will notice a plus (+) character to the left of the EcDmVoToEcsGateway label if there are server specific MediaDistributionOptions.  
If this is true drill down to the node that is labeled "D3". Click "D3" and click the delete button. Click "Yes" to delete.  
If this is not true find the "Generic" MediaDistributionOptions drill down to the node that is labeled "D3". Click "D3" and click the delete button.
- c. Click "Yes" to delete.

#### D. DATABASE INSTALLATION

##### 1. For MSS

- a. Logon to the g0mss21 host (where the MSS Database Package is installed)
- b. Bring up EcsSubsystem Manager and patch the MSS database up to Patch 81 (6A7\_11)  

Patch Number	Patch Description
Patch 6A7_4	- patch delivered with 6A.07 release.
Patch 6A7_5	- patch delivered with 6A.07 release
Patch 6A7_6	- This patch grants select permission on table EcAcOrder to the PDS_Group (delivered in Patch_6A.07_MSS_ACCT.03A)
Patch 6A7_7	- This patch also grants permissions to the PDS_Group.(delivered in Patch_6A.07_MSS_ACCT.03A)
Patch 6A7_8	- This patch introduces a logical lock for controlling access to the table EcAcOrder and hence EcAcRequest. New stored procedures for updating request information which use the logical link was added.
Patch 6A7_9	- This patch lengthens the smalldatetime columns in EcAcRequest to a full datetime. Also, the stored procedure ProUpdBORequest was modified.
Patch 6A7_10	- This patch modifies ProcInsEcAcRequest and ProcCreateNewRequest.
Patch 6A7_11	- This patch modifies TrigInsEcAcOrder to no longer override the defaultPriority for insert by ECSTGuest.

##### 2. For OMS

- a. Log on to the xg0acs03 host (where the the OMS Database Package is installed).
- b. Bring up EcsAssist, Subsystem Manager and patch the OMS database up to Patch 6769  

Patch Number	Patch Description
6732	delivered in 6A.07 release
6735	delivered in 6A.07 release
6737	This patch Installed corrected stored procedures (delivered in Patch_6A.07_OMS.02)
6739	FTP Push for multiple granules fails via OMS CLI (delivered in Patch_6A.07_OMS.04)
6743	Show ECS Guest user Profile (delivered in Patch_6A.07_OMS.04)
6746	OmGui can show incorrect statistics (delivered in Patch_6A.07_OMS.04)
6749	NCR36906 Adding a comma to GetUserProfile (delivered in Patch_6A.07_OMS.04)
6751	NCR36822 Adding lastname, firstname, email to gui & NCR37131 Ambiguous column ref in stored procs (delivered in Patch_6A.07_OMS.05)
6753	NCR37101 hard code L7 fix scene size to 495.6 & NCR37175 Added code to make sure total granule is less than the partitiongranule limit (delivered in Patch_6A.07_OMS.05)
6754	NCR37168 PDS is not notified of a DORRAN order (update for patch #6744 at EDC only)
6755	NCR36870 changing retention logic
6757	NCR36949 adding billing info to request detailed page
6760	NCR37168 PDS is not notified of a DORRAN order
6763	NCR36921 Modify the OMS database to avoid deadlock
6765	NCR37543 GSFC/SMC: OM ValidateRequest Proc Blocks SdSrv
6766	NCR37503 reset creationtime for bundling orders
6769	NCR37607 Last name, first name, email, and autorefresh interfere with scrolling "next/last/previous"

##### 3. For DMS

- a. Log on to the g0ins02 host (where the the DMS Database Package is installed).
- b. Bring up EcsAssist, Subsystem Manager and patch the DMS database up to Patch 6103

## Patch Number Patch Description

6052 delivered in 6A.07 release

6101 NCR36951 Changed GCMD Keyword field sizes to varchar(80)

6103 NCR37003 Changed GCMD Keyword field sizes to varchar(80)

Both of the patches involve schema changes for DMS database. You may see warnings for patch 6101.

c. `cd /usr/ecs/<MODE>/CUSTOM/dbms/`

d. For any of the following scripts you have not previously run please run them:

`EcDmDbVALID_NCR36674.ksh`

`EcDmDbVALID_NCR36236.ksh`

`EcDmDbVALID_NCR36839.ksh`

`EcDmDbVALID_NCR36805.ksh`

e. To run the scripts enter the following:

`EcDmDbVALID_NCR36674.ksh <MODE> dms_role g0ins02_srvr EcDmDictService[_MODE]`

The script will prompt the user for the ingest\_role password. (Repeat for each script)

f. `cd /usr/ecs/<MODE>/CUSTOM/dbms/IOS`

g. `cp <staging_area>/SOL8/EcloAdDb_NCR36952.ksh /usr/ecs/<MODE>/CUSTOM/dbms/IOS`

h. Run the `EcloAdDb_NCR36952.ksh` script

i. To run the script enter the following:

`EcloAdDb_NCR36952.ksh <MODE> ios_role g0ins02_srvr IoAdAdvService[_MODE]`

The script will prompt the user for the ingest\_role password.

## E. POST INSTALLATION

1. Bring up the Name Server, Registry and Subscription Server

2. Bring up MSS servers.

3. For all modes, on every host where `EcCsCommon.pkg` is installed do the following:

`cd /usr/ecs/<MODE>/CUSTOM/utilities`

`rm EcCsIdCommonMkcfg`

4. Start OMS servers and bring up the OMS GUI.

5. Bring up the DMS and IOS servers and move the DMS database later.

6. DMS Database Move from `xxins01` to `xxacgnn` \*\*

\*\*NOTE: NCR 37829 - may be executed anytime prior to or during SUN consolidation and is not dependent on any other NCRs delivered with this patch.

logon to `xxins02`

`cd /usr/ecs/<MODE>/CUSTOM/dbms/DMS`

run the `DmDdBcpCopyOut.csh` script -- this will dump all database tables to .dat files

This section of step "4" should only be executed once for all modes (Adding DMS database logins):

Add the DMS database logins to the xxacgnn\_srvr by running the following command:  
EcDmSybaseLogins.sql sa <sa\_password> <xxacgnn\_srvr>

```
cd /usr/ecs/<MODE>/CUSTOM/utilities
```

Run the EcDmDdDbBuild script setting xxacgnn\_srvr as the sybase server

You will see many errors in the drop script as there is nothing to drop in a database that has never been built before.

FYI: Upon completion of the DMS database build you will notice the following message

"Creating Databases for EcDm on xxins99 done."

Disregard this message as the build script is using the unix "hostname" where the DMS build script was executed.

At this point the DMS database is built on xxacgnn

```
cd /usr/ecs/<MODE>/CUSTOM/dbms/DMS/
```

run the DmDdBcpCopyInNew.ksh (MAKE SURE YOU USE THE NEW ONE!!!) to load the database tables  
from dat files generated in the BCP out process.

```
cd /usr/ecs/<MODE>/CUSTOM/dbms/COM/DBAdmin/dm2acg
```

```
cp the appropriate db_list_<daac> ,if applicable, file to db_list
```

```
cp the appropriate stripes_list_<daac>,if applicable, file to stripes_list
```

you may add logins and users to the DMS database by editing the logins\_list and/or users\_list if desired.

The README.dm2acg file describes how to use the dm2acg script.

We recommend you use the script and run the following options:

- 1 - Check DB
- 8 - Dump DB
- 4 - Add Logins
- 5 - Test Logins
- 11 - List Groups
- 12 - Grant Permissions
- 14 - Drop Thresholds
- 16 - Add Thresholds
- 15 - List Thresholds
- 17 - DBCC Check

FYI: You can run dm2acg as "dbo" but, you must use "sa" when using the script ,dm2acg, to add logins.

After you are satisfied the new database is correct we need to update the following configuration attributes to use the new database.

"DBServer" to xxacgnn\_srvr for  
EcDmV0ToEcsGateway,  
EcDmDictServer,  
EcDmDdMaintenanceTool

The delivered .rgypatch for DMS can be used to update the aforementioned configuration attribute for the three(3) processes.

Logon to xxins02 and bring down the appropriate Servers and MaintenanceTool.

```
cd /usr/ecs/<MODE>/CUSTOM/.installed/DMS
```

Edit the .rgypatch file and uncomment the appropriate lines for NCR 37829

Use the EcsAssist Subsystem Manager and apply the /usr/ecs/<MODE>/CUSTOM/.installed/DMS/.rgypatch file to the mapped Registry Tree.

We also recommend you cd /usr/ecs/<MODE>/CUSTOM/.installed/DMS and edit the .cfgparms and change the value of DBServer for the listed Servers and Maintenance Tool. This should be done to make sure the value is set correctly to avoid pitfalls when Mkcfigs are run in the future. We didn't add this to the .cfgpatch because we were not sure when this move would be done.

The Spatial Subscription GUI has an attribute "DDICT\_SQL\_SERVER" that has to be changed to use the new DMS database on xxacgnn\_srvr.

Logon to xxins01 or xxins02, depending on your DAAC.

```
cd /usr/ecs/<MODE>/CUSTOM/.installed/SSS and edit the .cfgparms and change the value of DDICT_SQL_SERVER for the Spatial Subscription GUI.
```

```
cd /usr/ecs/<MODE>/CUSTOM/utilities
```

Execute EcNbGUIMkcfig <mode> to generate a new configuration file to be used by the Spatial Subscription GUI.

If IOS and DMS servers are up Bounce IOS and DMS servers.

If IOS and DMS servers are down start IOS and DMS servers.